

# 1800 SERIES

## MOMENTARY CONTACT TIME SWITCHES

### FOR MECHANICALLY-HELD CONTACTORS AND LOW VOLTAGE REMOTE CONTROL RESERVE POWER OPTIONAL

#### APPLICATIONS

- Mechanically-held contactors
- 3 wire momentary lighting systems
- Remote station switching

#### SPECIFICATIONS

**CONTACTS:** 2 normally open dry contacts. 10 Amp @ 24-277 VAC, 360 VA

**TIMING MOTOR:** Heavy duty synchronous, self-starting high torque. Power Consumption: 3 watts.

**OPTIONAL RESERVE POWER:** Keeps dial on time up to 16 hours (on 24 hour models); up to 24 hours (on 7 day models) during power outage. Add suffix L to model number. Power Consumption: 5 watts.

**MOMENTARY TIMING CIRCUIT:** Solid state circuit drives two high capacity dry contacts to either ON or OFF contactor coil terminals. Dry contacts close for a period of 5 seconds and occur at such times as are set on the time switch dial.

**DIAL:** Choice of 24 hour, Astronomic or 7-day calendar dials –all can omit selected days, if desired.

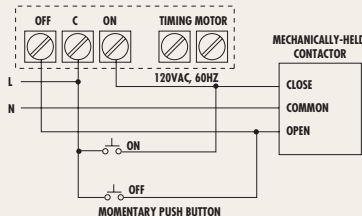
**OPERATING TEMPERATURE RANGE:** -40° to +165°F. (-40° to +74°C.)

**ENCLOSURE:** See page 27 for dimensions. General purpose (NEMA 1). Drawn steel, beige enamel, with combination 1/2"-3/4" K.O.'s on top, sides, bottom and back. Lockable hasp.

**OTHER MOUNTINGS:** \*When ordering special enclosures ONLY, please use model number.

- Noryl® Indoor/Outdoor – NEMA 3R: (suffix N) – Model 9000N\*
- Metal Indoor/Outdoor – NEMA 3: (suffix O) – Model 9000A\*
- Flush, with lock and key NEMA 1: (suffix FL1) – Model 9001\*

#### WIRING DIAGRAM



CAT NO	UPC CODE	TYPE	MOTOR: AC VOLTAGE	MOTOR: Hz
1847A	52001	24 Hour	120	60
1848A	52014	24 Hour	208-277	60
1847AZ	52003	Astronomic	120	60
1848AZ	52018	Astronomic	208-277	60
1847AW	52005	7 Day	120	60
1848AW	52016	7 Day	208-277	60
<b>WITH RESERVE POWER</b>				
1847AL	52006	24 Hour	120	60
1848AL	52015	24 Hour	208-277	60
1847AZL	52008	Astronomic	120	60
1848AZL	52019	Astronomic	208-277	60
1847AWL	52010	7 Day	120	60
1848AWL	52017	7 Day	208-277	60

NOTE: Timing motor voltage need not be the same as contactor coil voltage

#### SPECIFICATION WRITER'S GUIDE

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Furnish and install where shown a Momentary Contact Time Switch. Time Switch shall have dial of the (24 hour with day omitting device) (Astronomic with day omitting device) (7 day calendar) type, which shall be suitable to operate mechanically-held contactor of maximum size. Terminal board shall enable fast and correct installation using screw terminals for up to AWG #12 wire. Timing motor terminals are completely independent from momentary switching circuit. Spring driven reserve mechanism shall be provided sufficient to operate time switch controls at least 16 hours after power failure. On restoration of power, time switch shall transfer to synchronous motor drive and automatically rewind reserve. Time Switch shall include solid state circuit to provide a switch closure not in excess of two seconds on both ON and OFF contactor coil terminals at such times as are set on dial: these settings to be made with removable trippers which can be added and removed without tools (except the astronomic dial). Contactor coil circuits shall be suitable for 10 Amp @ 24-277 VAC, 360 VA. Enclosures shall be NEMA 1 surface (or see other mountings), with provision for padlocking. Time Switch shall be TORK Model 1847AL, (1848AL), (1849AL), (AZL), (AWL).